

Date: Tue, 22 Feb 94 16:42:28 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #191  
To: Info-Hams

Info-Hams Digest                      Tue, 22 Feb 94                      Volume 94 : Issue    191

Today's Topics:

        A transmission line loss question  
            Callsign allocations  
            DJ-580 modifications  
            HTX-202 or HTX-404  
        More Amateur spectrum going to Industry?  
            MOTOROLA MITREK  
            Post quake repeater integrity  
            PSE HELP regarding my CBA '94  
        Ramsey Argument (was: Dana Myers (was: Jeff Gold))  
            repeater list  
            Repeaters  
            Satellite progs on World  
        Satellite Tracking Programs (2 msgs)  
selcall13.zip - Hams: Maritime SITOR selcall translator v1.3

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Mon, 21 Feb 1994 20:16:21 GMT  
From: world!barnaby@uunet.uu.net  
Subject: A transmission line loss question  
To: info-hams@ucsd.edu

CSLE87 (Karl Beckman) writes:

>In article <CLG4pu.5vw@hpcvsnz.cv.hp.com>, tomb@lsid.hp.com (Tom Bruhns)  
>wrote:

[Perverse Question re 50 vs 75 ohm coax deleted]

[Answer to perverse question deleted]

>AND NOW REALITY ENTERS THE PICTURE:

>To make things even worse for the 75 ohm mismatched cable, the  
>difficulty of adjusting the line length as the copper expands  
>and contracts with ambient temperature is aggravated by the black  
>plastic jacket that raises the temperature during summer sunlight  
>but does not help during winter nights. Therefore the transmitter  
>sees a load phase angle that varies with outdoor ambient  
>temperature as the 75 ohm physical line changes electrical length.

Sheesh Karl,

As a "computer guy" trying to get reacquainted with radio after 25 years  
in the digital (read virtual) world. I'm feeling a bit queasy back here  
in analog world, having to be concerned with the temperature and color  
of the plastic jacket. Ya know, a compendium of this stuff would be  
just great for explaining those random problems computers experience  
that we can't explain:

The color of the cable is wrong  
The phase of the moon is not right  
Gamma rays  
etc.

I never cease to be amazed at the little things.

Thanks for your post

Barnaby barnaby@world.std.com AA1IB

-----  
Date: 22 Feb 94 02:27:47 GMT

From: nprdc!ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!  
noc.near.net!news.delphi.com!jtriolo@network.ucsd.edu

Subject: Callsign allocations

To: info-hams@ucsd.edu

>> Don't people read words and books by eye any more? The ARRL log  
>> books and many other sources have all this information listed on  
>> a couple of pages - you know, printing on paper. When you hear  
>> an unfamiliar callsign, you look at the piece of paper. It's  
>> much like looking in a dictionary - a real book, that is, not an  
>> "on-line word source".

>

>> Can you tell that I was born before computers became popular?

I'm GLAD that I don't have to invest in a \$30.00 callbook (well, \$60.00, for  
both North America and DX). They're out of date before they're ever in your  
hands! It's much cheaper for me to telnet to a more updated site than throw

away an obsolete \$30.00 book. The telnet sites are also more detailed!

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-----  
Jason D. Triolo -- Colonial Heights, VA | -----  
Amateur Radio: KD4ACG | This space for rent.  
Internet : JTRIOL0@delphi.com | Call today!  
Fidonet : 1:264/219.1<-out of svc. | -----  
-----
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-----  
Date: 21 Feb 94 18:13:23 GMT  
From: nprdc!ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!  
wupost!udel!pacs.sunbelt.net!lynx.unm.edu!dns1.NMSU.Edu!gereiswi@network.ucsd.edu  
Subject: DJ-580 modifications  
To: info-hams@ucsd.edu

I just purchased an Alinco DJ-580 which has already been modified  
to recieve aircraft down to ca. 120 MHz on VHF and 810-900MHz on UHF. Are  
there any other interesting mods that I might be able to do?

Also, there is a plug for "stereo out" (VHF left channel, UHF  
right). When I plug this in, using a standard stereo jack, there is an  
occasional squeeling noise. The mono jack does not do that. Suggestions?

Thanks in advance,  
George

-----  
Date: 22 Feb 94 02:27:07 GMT  
From: nprdc!ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!  
noc.near.net!news.delphi.com!jtriolo@network.ucsd.edu  
Subject: HTX-202 or HTX-404  
To: info-hams@ucsd.edu

>I am a scanner enthusiast, and am now interested in getting into amateur  
>radio since listening to the local "hams" on my scanner. I have  
>a couple quick questions, some of which may even be in a FAQ if it exists,  
>but I'll throw them all out here, since I know you are the people to ask.  
>

>1) To get started, I'm considering a portable that I can get quick. I'm  
>considering the RS HTX-202 and HTX404, but I don't know the difference  
>between the two "bands", which is more active, which is better.

You will get more use out of the HTX-202 2m radio (144-148MHz). In most  
cities, 2 meters is considerably more active than 70cm (440MHz, what the  
HTX-404 covers). Here in the Richmond area, there are about 12 2m repeaters,  
compared to 3 or 4 70cm machines. However, if you live in a larger city,  
you'll find that the two bands are fairly even. That seems to be the case up

in Ohio.

>2) I often hear about amateur repeaters. I know what a repeater is, and how it works, but is my understanding that there are repeaters installed for use by amateur radio operators correct. Who installed them, who can use them, and what does it cost.

Any amateur operator with a Technician Class license or higher can set up a repeater. All you need is a tower site, a coordinated repeater pair (Where this pair comes from depends on what part of the country you're in), and a lot of equipment. Most importantly, it takes lots of money, which is why the majority of repeaters are supported by clubs.

>3) Finally, my wife works near Dayton, Ohio during the week, and we live near Toledo. If we both had HT-202 or HT-404 's, could we communicate with each other. Not without repeaters, I'm sure, so I guess this question involves the repeater questions.

A good repeater would be the key to talking between Dayton and Toledo. Just one repeater wouldn't do the trick, but there is an extensive network of repeaters throughout the state where you could talk between the two cities.

Hope this helps!

```
-----
Jason D. Triolo -- Colonial Heights, VA | -----
Amateur Radio: KD4ACG                  | This space for rent.
Internet      : JTRIOL0@delphi.com      | Call today!
Fidonet       : 1:264/219.1             | -----
-----
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Date: Mon, 21 Feb 1994 18:11:52 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
library.ucla.edu!psgrain!research-01.mskcc.org!psinntp!psinntp!pixar!
bruce@ames.arpa
Subject: More Amateur spectrum going to Industry?
To: info-hams@ucsd.edu
```

```
> From: millar@nhqvax.sanders.lockheed.com (Jeffrey R. Millar)
> Subject: Industry gets more Amateur Spectrum
> Message-ID: <millar.77.000832F7@nhqvax.sanders.lockheed.com>
> Date: Thu, 17 Feb 94 13:12:39 GMT
>
> The Commerce Dept, in conjunction with DoD plans to give 200 MHz of spectrum
> space in the 1200 - 4800 MHz area to industry. This includes 2300-2310 and
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> 2402-2417 MHz. One annoying aspect, the 2402-2417 MHz segment goes to  
> industry in August 1994 without a comment and review period.  
>  
> We need to gear up to fight this. Without a 2400 MHz allocation, repeaters  
> in this band won't work.

This is an NTIA study (see other postings). The comment period runs through May. I don't know when the FCC gets involved, but I would assume they have to be involved at some point.

We should indeed mobilize to prevent industry use on this band. A key part of this would be to present the history of sharing with industry on 900 MHz, which has resulted in a near exclusion of Amateur traffic from the band.

I would think that the performance of ARRL is going to be critical on this one (please everybody hold the pessimism postings - I know, but they are all we have). Would anyone from ARRL like to post on this?

Thanks

Bruce Perens

-----  
Date: 22 Feb 1994 16:22:41 GMT  
From: nothing.ucsd.edu!brian@network.ucsd.edu  
Subject: MOTOROLA MITREK  
To: info-hams@ucsd.edu

In article <1994Feb21.163445.3119@umr.edu> sidener@crunch.nuc.umd.edu (Scott Sidener) writes:

>  
> Does anyone have ant experiance, hints, or tips on converting a Motorola Mitrek  
VHF  
>band radio into a repeater?

Tune up the radio in the conventional manner.

Drill a 1/2" hole in the side of the radio just above the first IF stage coil; install a bulkhead BNC female connector. Chop the receive antenna lead off the antenna relay and use this connector to bring it out of the radio to your duplexer.

Clip out diodes D1, D2, and D403.

Add a control system. All the connections you need are on the control connector on the front of the radio.

Voila' - it's a repeater.

- Brian

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Date: Mon, 21 Feb 1994 21:01:17 GMT  
From: agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!vinpic@ames.arpa  
Subject: Post quake repeater integrity  
To: info-hams@ucsd.edu

Would appreciate hearing from anyone with experience using repeaters in the Los Angeles area just after the earthquake. Did they hold up as a reliable means of disaster commnuications?

--  
Peter Douglas  
President  
vinpic@netcom.com  
Vincent Pictures, Los Angeles

-----  
Date: Mon, 21 Feb 94 22:17:20 -0500  
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!noc.near.net!news.delphi.com!usenet@ames.arpa  
Subject: PSE HELP regarding my CBA '94  
To: info-hams@ucsd.edu

Thomas Planke <planke@hekla.Systemtechnik.TU-Ilmenau.DE> writes:

>After the change of callsigns in (East) Germany I don't know  
>whether my callsign is noticed with the correct address or not  
>in the international part of the CallBook  
>and whether my old callsign Y32JK is still included.

Thomas -- The Y32JK call is not listed (at least so far as I can find). In fact, none of the old GDR calls seem to be listed in this year's edition.

The address for the DL5ATP call is listed as Thomas Planke, Postfach 113, D-98693 Ilmenau. Hope this is one is correct!

73 de Lee/KE3FB in Maryland  
leevankoten@delphi.com

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Date: 22 Feb 94 23:38:21 GMT

From: news-mail-gateway@ucsd.edu  
Subject: Ramsey Argument (was: Dana Myers (was: Jeff Gold))  
To: info-hams@ucsd.edu

Text item: Text\_1

>Subject : Dana Myers (was: Jeff Gold (was: John Ramsey))  
>In article <2k49diINNmp0@abyss.West.Sun.COM> myers@pongo.West.Sun.COM  
>-(Dana Myers ) writes:  
>You're missing the point entirely! Either that or you refuse to see it.  
>The "Jeff Gold" post was intentionally insulting and inflammatory, and

I want to publicly appologize to any innocent party I have offended with my humor. Anyone who knows me will tell you I am a perfect gentleman with an offbeat sense of humor. The "Jeff Gold" post was 100% black humor... I meant to poke fun at Jeff, not insult him... you know, let he who is without sin cast the first stone...the pot calling the kettle black... sacarsm...

>it completely flies in the face of your earlier statement that Jeff  
>Gold is "less than human".

Please forgive my bad spelling. The statement should have been, "Anyone who calls another a liar in public is less than humane." I still believe that... most people over 45 do believe that way.

>Attacking Jeff Gold because you don't  
>like his postings \*doesn't\* belong on rec.radio.amateur.misc

And you believe it is OK to call an individual a liar on rec.radio.amateur.misc???? This all started when Jeff posted his two-year old, archived flame against Ramsey. I didn't object to his or anybody else's slam of Ramsey products. I objected to his emotional outburst and airing his private dirty laundry agenda (for the Nth time)on a technical news group.

>Does anyone else see the irony?... Jeff NH6IL

Yup, someone bad-mouthing a bad-mouther for bad-mouthing a bad-mouther seems ironic to me and most of my Internet friends. Again, I'm truly sorry if I offended an innocent party.

73, Cecil, KG7BK

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Date: Mon, 21 Feb 1994 21:03:39 GMT  
From: elroy.jpl.nasa.gov!usc!yeshua.marcam.com!hookup!paladin.american.edu!  
constellation!osuunx.ucc.okstate.edu!olesun!gcouger@ames.arpa

Subject: repeater list  
To: info-hams@ucsd.edu

The ARRL is making empty threats. The data in the repeater directory is no more proprietary than the information in the phone book. In fact Wayne Green was putting out a directory before the ARRL and they stole it from him according to Wayne. It's a shame that the ARRL (I am a member) can think just because they have fuzzy balls they can threaten person with no means of hiring council. Fortunately there is an answer in the American Civil Liberties Union. Give them a ring or if you don't want too I will and get their opinion. The ACLU scares the shit of anybody they bring their guns to bare on.  
Gordon AB5Dg

-----  
Date: 22 Feb 94 02:27:31 GMT  
From: nprdc!ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!  
noc.near.net!news.delphi.com!jtricolo@network.ucsd.edu  
Subject: Repeaters  
To: info-hams@ucsd.edu

>- Can repeaters in fact be used to place local telephone calls? If so,  
> is there a charge for this service? Is it limited?

Yes. Some repeaters have autopatch capability. Most of those are club-sponsored repeaters which require you to support the club for autopatch access. Of course, business calls are prohibited, and you must keep in mind that everyone is listening to your call! The club I'm with here in Richmond limits your call to 3 minutes, and aside from club dues, local calls are no extra charge. For those of us who are a long-distance call between the repeater and our homes, they cover \$1.00 of the long-distance charges. Check with some of your local radio clubs to find out what their policies are.

>- What are the legal restrictions on amateur radio traffic? Are data  
> connections allowed?

Data connections are allowed. It's called packet radio. Some packet links are even connected to the Internet. Listen around 145.000 to 145.100MHz. You may hear an occasional packet burst down there.

>- What baud rate could I reliably connect at through a radio link?  
>

On the 2m band, most links are 1200 baud, which is sufficient for local communication. Many sites that forward large amounts of traffic are experimenting with 9600 baud connections.



Hope this helps!

73 de Jason, KD4ACG

```
-----  
Jason D. Triolo -- Colonial Heights, VA | -----  
Amateur Radio: KD4ACG | This space for rent.  
Internet : JTRIOL0@delphi.com | Call today!  
Fidonet : 1:264/219.1 | -----  
-----
```

Date: Tue, 22 Feb 1994 04:14:06 GMT  
From: elroy.jpl.nasa.gov!swrinde!gatech!europa.eng.gtefsd.com!library.ucla.edu!  
csulb.edu!csus.edu!netcom.com!wy1z@ames.arpa  
Subject: Satellite progs on World  
To: info-hams@ucsd.edu

I have now placed some satellite tracking programs on World:

- stsplus.zip
- stsortbit.zip
- traksat {trak300a.zip & trak300b.zip} (latest version of traksat)

They are available via anonymous FTP via

ftp ftp.std.com:/pub/hamradio/pc/satellite

If you have any problems, questions, or comments, please e-mail them to me.

I tried very hard to search for stsplus through many archie searches, and only found one site which carried it. I hope that by making it available on World it will be easier to obtain.

73,  
Scott, WY1Z

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|  |                             |                    |  |
|--|-----------------------------|--------------------|--|
| Scott Ehrlich  | Internet: wy1z@neu.edu      | BITNET: wy1z@NUHUB |  |
| Amateur Radio: wy1z  | AX.25: wy1z@k1ugm.ma.usa.na |                    |  |
| -----  |                             |                    |  |
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |                             |                    |  |
| the World - ftp.std.com pub/hamradio                             |                             |                    |  |

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=====
| Scott Ehrlich           Internet: wy1z@neu.edu       BITNET: wy1z@NUHUB   |
| Amateur Radio: wy1z      AX.25: wy1z@k1ugm.ma.usa.na   |
|-----|
| Maintainer of the Boston Amateur Radio Club hamradio FTP area on |
| the World - ftp.std.com pub/hamradio                      |
=====
```

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Date: Tue, 22 Feb 1994 12:25:12 GMT  
From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!paladin.american.edu!  
zombie.ncsc.mil!blackbird.afit.af.mil!sd2!johnsotc@network.ucsd.edu  
Subject: Satellite Tracking Programs  
To: info-hams@ucsd.edu

In article <steve.761771155@netsys.com>, steve@NETSYS.COM (Steve Eigsti) writes:

```
|> david@stat.com (David Dodehl) writes:
|>
|> >I am interested in obtaining a good satellite tracking program for
|> >tracking some of the amateur birds. Recommendations on shareware /
|> >commercial packages would be appreciated.
|>
|> >David wb7tpty
|>
|> >---
|> >Editor, HICNet Medical Newsletter
|> >Internet: david@stat.com                      FAX: +1 (602) 451-1165
|> >Bitnet : ATW1H@ASUACAD
|>
|> Try Traksat, ftp to oak.oakland.edu  it is in the msdos/satelite  directory
|>
|> Steve K5SE
|>
```

You may also want to try the newly-uploaded PC-Track version 3.0, in the same location.

Tom Johnson  
71371.1257@compuserve.com

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Date: Tue, 22 Feb 1994 13:25:28 GMT  
From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!paladin.american.edu!

zombie.ncsc.mil!blackbird.afit.af.mil!sd2!johnsotc@network.ucsd.edu  
Subject: Satellite Tracking Programs  
To: info-hams@ucsd.edu

In article <steve.761771155@netsys.com>, steve@NETSYS.COM (Steve Eigsti) writes:

```
|> david@stat.com (David Dodell) writes:  
|>  
|> >I am interested in obtaining a good satellite tracking program for  
|> >tracking some of the amateur birds. Recommendations on shareware /  
|> >commercial packages would be appreciated.  
|>  
|> >David wb7tpy  
|>  
|> >---  
|> >Editor, HICNet Medical Newsletter  
|> >Internet: david@stat.com FAX: +1 (602) 451-1165  
|> >Bitnet : ATW1H@ASUACAD  
|>  
|> Try Traksat, ftp to oak.oakland.edu it is in the msdos/satelite directory  
|>  
|> Steve K5SE  
|>
```

You also may want to try PC-Track Version 3.0, newly uploaded to the same site, and also to garbo.uwasa.fi in pc/ham.

Tom Johnson  
71371.1257@compuserve.com

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Date: 22 Feb 94 02:32:45 GMT  
From: nprdc!ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!wupost!  
simtel.coast.net!msdos-ann-request@network.ucsd.edu  
Subject: selcal13.zip - Hams: Maritime SITOR selcall translator v1.3  
To: info-hams@ucsd.edu

I have uploaded to the SimTel Software Repository (available by anonymous ftp from the primary mirror site OAK.Oakland.Edu and its mirrors):

pub/msdos/hamradio/  
selcal13.zip Hams: Maritime SITOR selcall translator v1.3

SELCALL is a translation program to translate selective calling signals of the maritime mobile service (MMS) CCIR 476-3 SITOR radio teletype service between their numeric values and printable 4-letter-representations. The ZIP-file contains an EXE, a TPU and a DOC file.

Changes: Program now knows about coast stations, enhanced documentation.

Uploaded by the author. selcal13.zip has replaced selcal12.zip.

73,

Ralf

- -

Ralf Kloth  
dl4ta@db01x (packet radio bbs)  
wtpz2234@servus.rus.uni-stuttgart.de

-----  
Date: 22 Feb 1994 17:51:50 GMT  
From: agate!howland.reston.ans.net!noc.near.net!sunfish.hi.com!brainiac.hi.com!  
user@network.ucsd.edu  
To: info-hams@ucsd.edu

References <CLC6Dp.Hz6@news.Hawaii.Edu>, <761496652snx@skyld.grendel.com>,  
<1994Feb21.131706.14375@tellab5.tellabs.com>  
Subject : Re: HAMBLASTER INCORRECT STATEMENTS

In article <1994Feb21.131706.14375@tellab5.tellabs.com>, jwa@tellabs.com  
(John W. Albert) wrote:  
> How can it be an ad?  
> The Hamblaster isn't being sold, even on the "black market"!

Presumably when the Hamblaster is available for sale, you will reimburse  
internet sites for the cost of transmitting your Hamblaster  
advertisements^H^H^H^Hmessages?

|   |                               |
|---|-------------------------------|
| Steve Byan                                | internet: steve@hicomb.hi.com |
| Hitachi Computer Products (America), Inc. |                               |
| 1601 Trapelo Road                         | phone: (617) 890-0444         |
| Waltham, MA 02154                         | FAX: (617) 890-4998           |

-----  
Date: 22 Feb 1994 16:02:45 GMT  
From: nothing.ucsd.edu!brian@network.ucsd.edu  
To: info-hams@ucsd.edu

References <CLGG3G.EMB@news.direct.net>, <2k4hh4\$4q2@bigfoot.wustl.edu>,  
<CLL9L8.5AM@news.direct.net>  
Subject : Re: Jeff Gold

USENET Fool Lamé Excuse Number Three: "it wasn't meant seriously. I posted it just to see what kind of a reaction I would get."

Those who will not learn from history are condemned to repeat it.

- Brian

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End of Info-Hams Digest V94 #191

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